

新疆伞蕈一新种——巨孢墨伞

臧穆 费勇

(中国科学院昆明植物研究所, 昆明650204)

关键词 巨孢墨伞

COPRINUS GIGANTEOSPORUS, A NEW SPECIES FROM XINJIANG

ZANG Mu, FEI Yong

(Kunming Institute of Botany, Academia Sinica, Kunming 650204)

Abstract The junior author has been collected an unusual fungus from Pishan (Guma) County in Xinjiang (Sinkiang), on June 21, 1988. This species is very closely related to *Coprinus sterquilinus* Fr. and *Coprinus calypteratus* Peck, but differs from them in the very large and subrhombiform spores $22-26 \times 13-19 \mu\text{m}$. However, the size of spores of *Coprinus sterquilinus* Fr. is only $18-23 \times 10-13 \mu\text{m}$ and *C. calypteratus* Peck is only $17-21 \times 10-13 \mu\text{m}$. This is the most unusual species with a whitish pileus, very finely pubescent at least over the center disc, the marginal surface area closely folded-striate before expanding, becoming broadly convex to plane and plicate-striate when maturity, the stipe equal, hollow and rather fragile, densely pubescent at base, always white, not sordid, which at least for the present is being recognized as a new species.

Key word *Coprinus giganteosporus*

巨孢墨伞 新种 图1

Coprinus giganteosporus Zang et Fei, sp. nov. Fig. 1.

Pileus 1.5 cm altus, demum 4.5—5.5 cm latus, pubescens, niveus vel cburneus. Cellulae cuticulae pilei pyriformes, ellipsoideae vel sphaeropedunculatae. Lamellae angustae tenuesque ad 0.5—1 mm latae, adnatae, divaricatae, pallidae demum nigrae. Stipes 5—8 cm longus, 1—2.5 mm crassus, aequalis vel interdum clavatus vel subbulbosus, cavus fragilissimus, niveus vel exalbidus, basi pruinosis. Basidiosporae $22-26 \times 13-19 \mu\text{m}$ ellipsoideae vel subrhombiformes, fuscae, atrofuscae. Basidia $30-36 \times 25-28 \mu\text{m}$ obovatae vel clavatae, 4-sporigera.

Habitat in pascuis siccis. 2500 m alt.

Xinjiang (Sinkiang新疆); Pishan (Guma County 皮山县) Buqun (布琼) 21 VI 1988. Fei Yong (费勇) 3. (Typus HKAS 20464).

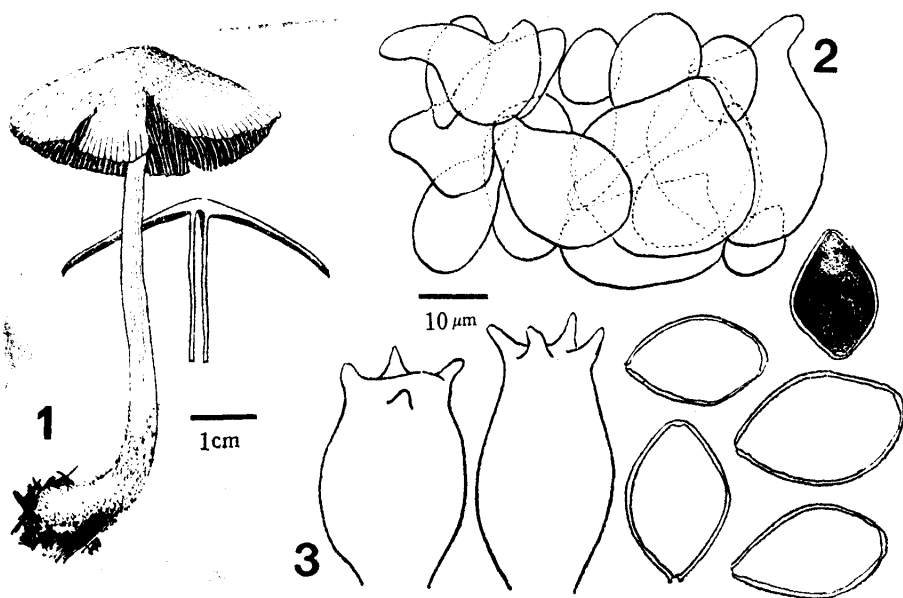


图1 巨孢墨伞 Fig. 1. *Coprinus giganteosporus* Zang et Fei

1. 担子果 Basidiocarps, 2. 盖表层菌丝 Pileus epicutis, 3. 担子和担孢子 Basidia and basidiospores.

菌盖高1.5 cm, 后期阔4.5—5.5 cm, 被微柔毛, 雪白色至象牙白色。盖表层细胞呈梨形, 椭圆形或具柄圆形。褶片狭而薄, 褶幅阔0.5—1 mm, 贴生, 疏列, 初灰白色, 后期呈黑色。菌柄长5—8 cm, 粗1—2.5 mm, 等粗, 有时呈棒状, 基部呈白状膨大, 中空而质脆, 雪白色至淡白色, 基部具粉粒状覆盖物。担孢子 $22-26 \times 13-19 \mu\text{m}$, 椭圆形或近菱形, 棕色, 棕黑色。担子近圆形或棒状, $30-36 \times 25-28 \mu\text{m}$, 具孢子四枚。

本种近似粪墨伞(粪鬼伞) *Coprinus sterquilinus* Fr. 和冠盖墨伞 *Coprinus calyptratus* Peck, 但其不同点是本种孢子巨形且明显菱状, 孢径达 $22-26 \times 13-19 \mu\text{m}$ 而粪墨伞仅 $18-23 \times 10-13 \mu\text{m}$ (Moser)^[1]; 冠盖墨伞仅 $17-21 \times 10-13 \mu\text{m}$ (Smith)^[2], 本新种的另外特点是: 盖洁白色, 盖中央有细毛绒, 盖缘呈折扇状皱叠, 平展而均称, 菌柄等粗而坚脆, 基部毛绒耸然, 洁白而不染。

参 考 文 献

- 1 Moser Meinhard. Keys to Agarics and Boleti, Roger Phillips, 1983, 256
- 2 Smith A H. *Mycologia* 1948, 40:672